

THIS REPORT RELATES TO A/AN SURVEILLANCE VISIT ON November 1-4, 2005

DIACLE BE I II C TILL A C		Other Sites Visited:						
Company: NASA, Marshall Space Flight Center	er	1.	9 (1)					
Address: MSFC								
Huntsville, AL 35812		2.						
Halitovillo, His 33012			e de la companya de l					
Scope:								
ISO 9001:2000: All Products and Services Pr NASA Agency Infrastructure and is a Major C								
AS9100: Design, Development, Production, In associated Ground Support Equipment Interface	nstallation and Service ing with Flight Hard	cing of Flight Hardware, Flight So ware and Fight Software.	îtware, and					
	•							
Standard(s): 9001:2000/AS9100B Support Docu	mentation(s): AS91	01B Non-English Languages	Used:					
Comments/Concerns of the Assessment Team:								
Previously identified non-compliances have be Non-compliances are minor in nature	en satisfactorily addı	ressed or rewritten herein. (items 1	&2)					
The visit is deemed to be: x Satisfactory Unsatisfactory	Return CAI	lan (CAP) Instructions: P in 20 working days (all NCs, Obs & tes after receipt/acceptance of CAPs.						
Unsatisfactory visits may result in a change to the next audit activity.		000 NCs must be closed prior to certifor in ten days for Major NCs issued dut						
and activity.		111 (01) (12) (13) (14) (17) (18)						
NQA ASSESSMENT TEAM		COMPANY INFORMATION						
LEAD AUDITOR: Rick Giguere		MGT. REP.: Robin Henderson						
TEAM: TEAM:		QUALITY MANUAL (REV & I DATE):Rev N 9/17/04	SSUE					
TEAM: TEAM:	an jan							
The contents of this report is confidential and must not be disclosed above. Non-compliances/non-conformances raised or observations a compliances/non-conformances may exist which have not been identified to the conformances may exist which have not been identified to the conformances may exist which have not been identified to the conformances may exist which have not been identified to the conformances may exist which have not been identified to the conformances.	noted within this report are	e the result of limited sampling and therefo	re non-					

The contents of this report is confidential and must not be disclosed to a third party without the prior agreement of NQA, USA and the company named above. Non-compliances/non-conformances raised or observations noted within this report are the result of limited sampling and therefore non-compliances/non-conformances may exist which have not been identified. The Internal Audit system is deemed effective unless noted within the body of this report. The company representative's signature indicates their agreement and understanding of any non-compliances/non-conformances and observations contained in this report. Prior to the assessment, the company must have completed a complete system internal audit and subsequent management review documented. The quality system shall be understood throughout the organization.

NOA) USA Representative Signa	nture and Date:	Company Representative Signature and Date:	Page 1 of 4
			



AUDIT MATRIX

X or √ through entire	re box as applicable to indicate actual dited against the AS9100 requirement. X or	SPE	CIFI	C AS	9100 1	REQU	DU	MEN IRIN	THI	S VIS	SIT	PKU	CES	ES A	UDIT		NEXT VISIT PLAN
√ in next visit bloc Estimated duration requirement to be re	k indicates planned section for next activity. is 45 minutes. Note: Asterisk (*) indicates eviewed at each activity.	HEI - Quality	QD-40 Audits	MSRR-1 SW	MSRR-1 HW	Орог РМС	Test Services .	. 08	HS 20 / 40	QD 40 - 50	MQC/IMSB	UNITes IT					
AS9100 Reference	Clause Title	HEI	QD-4	MSR	MSR	ODO	Test	QD 30	HS 2	OD	MQ					an's	
4.2.1 & 4.2.2*	Quality Manual *															43.	X
4.2.3	Document Control											· ·		-			X
4.2.4	Quality Records	X	X		X	X	X		X	X	X	X					X
4.3	Configuration Management				X		X	-					ļ. —				X
4.1, 5.1, 5.2, 5.3, 5.4.2, 5.5	Management Activities		1 1								X			<u> </u>			77
5.4.1*	Quality Objectives*					X					X				ļ	ļ	X
5.6*	Management Review *							<u> </u>			X		_	<u> </u>		<u> </u>	X
6.1 & 6.2	Resources & Competence						X	<u> </u>	X	X	X		<u> </u>	-			
6.3 & 6.4	Infrastructure & Work Environment						X	-	<u> </u>			<u> </u>	ļ		-	_	
7.1	Product Realization Planning								<u> </u>		ļ		-	ļ			
7.2	Customer Related Process & Comm.								ļ			<u> </u> :	ļ	<u> </u>	-		
7.3	Design & Development			X	X	<u> </u>			1	<u> </u>	ļ		-	-	-		
7.4	Purchasing							ļ	ļ .	ļ		_	ļ	-	-	-	
7.5.1 & 7.5.3	Process Provision and ID&T Activities						X	X			<u> </u>		-	-		ļ	
7.5.2	Process Validation					<u> </u>	ļ	-	ļ	<u> </u>	<u> </u>	ļ	-	-	ـ	 	<u> </u>
7.5.4	Customer Property					ļ	<u> </u>		ļ	<u> </u>		-	1	-	-	-	
7.5.5	Preservation (Handling, Storage & Deliv.)					<u> </u>	<u> </u>			<u> </u>	-	-		-	 	┼-	
7.6	Calibration						1_			-	-	-	1-	-			X
8.1	Measurement & Monitoring Planning			<u> </u>			-	1		-	1 37		 	-	-	-	$\frac{X}{X}$
8.2.1*	Customer Satisfaction*			-	<u> </u>	1	<u> </u>		_		X	-	-	-	-	-	$\frac{1}{X}$
8.2.2*	Internal Audits*		X	<u> </u>			-	-	-	-	-				-	+-	- X
8.2.3	Measurement & Monitoring of Process			_	1	X	1	1-	1	1-	-	-	-	-	-		$\frac{X}{X}$
8.2.4	Measurement & Monitoring of Product		1.09	Д	1 2 2	·		-			+	1			+-	+	X
8.3	Non-Conforming Processes/Products		1964 144, 51	_						-		-		+-		1 1 1 1 1 1 1 1 1 1	X
8.4	Analysis of Data			_		X	<u> </u>	-		-	X		.,	+-	+		X
8.5.1*	Continuous Improvement*						ļ ·	-		-	X				+		X
8.5.2 & 8.5.3*	Corrective/Preventive Action*	X				97	-	-	_		<u> </u>	X	-	-	+		+
	Use of NQA Logo*	X													age 2		X

SYSTEM AUDIT REPORT NUMBER 05/35812/AS-S06



SYSTEM AUDIT RECORD

Auditor(s): Richard Giguere

Date: November 1 - 4, 2005

Clause No.	Record of Audit Details	(names, ref	erence docume	ents, departme	nts, etc.)		NC	Obs or OIs
4.2.2,	See AS9101B Checklist for details		-	al the			: '	
4.3,	INTERVIEWED: DOCUMENTS REVIEWED:	- :						
5.4.1,	OBJECTIVE EVIDENCE SAMPLED:							
5.6					•			
J.0								
6.1, 6.2,	See AS9101B Checklist for details							
	INTERVIEWED:					•		
6.3, 6.4	DOCUMENTS REVIEWED:	•	•		•			
	OBJECTIVE EVIDENCE SAMPLED:							
	\$							
				. ,				
							2	
7.3.1 -	See AS9101B Checklist for details INTERVIEWED:				•		_	
7.3.6,	DOCUMENTS REVIEWED:				: .			
7.5.1,	OBJECTIVE EVIDENCE SAMPLED: 1	7.5.5, 7.6 were	not reviewed in en	tirety. NC's were v	written against these			
7.5.3	requirements as carried from previous audit.							
								-
			· · · · · · · · · · · · · · · · · · ·					+
8.2.1,	See AS9101B Checklist for details							1
8.2.2,	INTERVIEWED: DOCUMENTS REVIEWED:							
8.2.3,	OBJECTIVE EVIDENCE SAMPLED:		2 .					
8.4,								
8.5.1,			47.0			v.		
8.5.2/3								
						····		

¥1, 14	TOTAL	2	1
F	PAGE 3 OF	4	

SYSTEM AUDIT REPORT NUMBER 05/35812/AS-S06



Ref No.	Clause No.	NON-CONFORMANCES & OBSERVATIONS/OPPORTUNITIES FOR IMPROVEMENT RAISED	NC/OBS/ OI						
1	7.5.5	MWI 8550.5, Hazardous Material Mgmt, states in part that hazardous material storage areas are to be regularly inspected for "leaking, severly corroded containers, and unneeded, out-of-shelf life products." A review of the contents of Flammable Content cabinets in vibration lab reveals age-sensitive materials well beyond the expiration date, some items by over 10 years. (Ref. S05 report.) The process for dealing with IM&TE that is found to be out of tolerance at calibration is not clearly established for users outside the calibration lab. MPR 8730.5 directs the user of out-of-tolerance devices to refer to MWI 1280.3 for instruction on actions to take, however, this procedure deals with processing Alerts, and no reference made to evaluating effect of OOT on product. (Ref. S05 Rpt) QD153/RCAR216 was initiated in Feb 2004 and last updated with a status in Feb 2005. Even though there has been ongoing activity on this corrective action, the database has no record of such activity, giving the appearance of no activity. A clearer picture of current status would be provided if actions were noted in the comments saction of the database, particularly for long-term actions.							
2	7.6								
3	8.5.2								
	·								
- - - -									

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NOA, USA Représe	ntative Signat	ure and Date:		Company Repres	entative Signatu	re and Date:	Page 4 of 4
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ASSESSMENT REPORT

Assessing company logo

GENERAL ASSESSI	MENT INFORMATION
1 Organization & Work Address	
Company Name: NASA, Marshall Space Flight Center	Tel Number: 256-544-0451
	Fax Number: 256-544-4155
Subsidiary of:	e-mail: robin.henderson@msfc.nasa
Organization Identification:	CAGE code:
Assessed Site Address: Huntsville, AL 35812	Assessment Representative & Title:
	Robin Henderson, Associate Director Quality Manager Representative & Title:
	Robin Henderson, Associate Director
Main activities:	
Product Types or Codes:	
2 ISO Registration	
S ISO Registered	Registrar Name: NQA-USA
[x] ISO Standard / Revision ISO 9001:2000	Expiration Date (If applicable):
x] Aerospace Standard / Revision AS9100B	May 27, 2007
3 Assessment Team	
Lead Assessor Name:	Other Assessor Team Members:
[x] Certified Auditor – Type & No. A03158	
[] Qualified Auditor	
4 Assessment Dates: November 1- 4, 2005	
5 Assessment Scope	
[] Total facility assessed [] Initial assessment	[] All 9100 elements assessed
[x] Partial facility assessed [] Re-assessment	[x] Partial 9100 elements assessed
Other:	Elements not assessed:
Activity assessed:	
6 Assessment Disposition	7 Scoring
[] Conforming	Scoring result: 97
[x] Conforming with minor (mi) corrective action	
Non conforming with Major (MA) corrective action	
8 Assessment Approval	
Assessing Company Date	Lead Assessor Name Signature
100	Richard Giguere
NQA-USA May 20, 2005	1/Usq Ylgt
	The state of the s
Distribution Agreement This Assessment Report is the property of the assessed Organization	- The t - t

To that end, a signature below by an Authorized Representative of the assessing company indicates that this report may be copied by the organization for other customers.

TO that chu, a signature pois.		•	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4.5		
the organization for other cust	omers.				114.4		
If copied, the report must be d	isclosed in full inclu	ding findings ar	nd arry)corrective a	actions.	And the second	, -3-	
Authorized Representative		COLUMN LANGUA	ANDI	1-2	Date	11/4/05	

Assessing Company Name ___Richard Giguere

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ASSESSMENT REPORT

Assessing company logo

ASSESSMENT CONCLUSIONS

General comments about the organization and the quality system of the assessed organization:

Good overall consistency of management system.

Strong points:

- 1. Internal Audit Process, good reporting and audit tools
- 2. Scorecard approach to establishing alignment of NASA goals with MSFC objectives throughout organization
- 3. Ability to maintain integrity of QMS through change. (Transformation) You are managing change and not being managed by change.

Improvement Opportunities:

- 1. Be cautious to maintain record integrity over time and through personnel and system
- 2. Be cautious to ensure all design review records are formally maintained and accessible.

ASSESSMENT REPORT

Assessing company logo

ASSESSMENT RESULT SUMMARY

Organization: NASA, Marshall Space Flight Center Result **Observation / Corrective Action Request Number** Elements* (MA/mi) (AS9100 - Section 1) S Ma mi N/A 4 - Quality Management System S 4.1 General requirements S 4.2 Documentation requirements S 4.3 Configuration Management 5 - Management responsibility S 5.1 Management commitment S 5.2 Customer focus S 5.3 Quality policy S 5.4 Planning 5.5 Responsibility, authority and S communication S 5.6 Management review 6 - Resource managements S 6.1 Provision of resources S 6.2 Human resources S 6.3 Infrastructure S 6.4 Work environment 7 - Product realization 7.1 Planning of product realization S S 7.2 Customer-related processes S 7.3 Design and development S 7.4 Purchasing 1 Carry Over 7.5 Production and service provision Carry Over 7.6 Control of monitoring and measuring devices 8 - Measurement, analysis and improvement S 8.1 General S 8.2 Monitoring and measurement S 8.3 Control of NC product S 8.4 Analysis of data 8.5 Improvement Assessing Company: NQA, USA Assessed Organization: 2 NASA, Marshall Space Flight Ctr. Lead Assessor Namé: Richard Giguere Rep's name/ Results Signature: Signature:

^{*} For each element, cross results of assessment: "S" for Satisfactory, "Ma" for major corrective action //mi" for minor or "N/A" for nor applicable

ASSESSMENT SCORING

(Member logo)

Organiz	ation : NASA, Marshall Space Flight Ctr.	1.2		Res	sult		
	SCORING CHART	CAR	R or minor on Key ement	Minor CA Key req	R on <u>non</u> uirement	NO CAR	RESULT
		Multiple	Single	Multiple	Single		
		findings	finding	findings	finding	272-0-330	
4	Quality management system					(100)	100
4.1	General requirements	0	10	25	40	50	50_
4.2 & 4.3	Documentation requirements & Configuration management	0	10	25	40	50	50
-5	Management responsibility				•	(150)	150
5.1	Management commitment						
5.2	Customer focus	0	5	15	20	30	30
5.3	Quality policy						
5.4	Planning	0	10	20	30	40	40_
5.5	Responsibility, authority and communication	· 0	5	15	20	30	30
5.6	Management review	0	10	25	40	50	50
- 6	Resource Management					(100)	100
6.1	Provision of resources	0	10	25	40	50	
6.2	Human resources						50
6.3	Infrastructure	• 0	10	25	40	50	
6.4	Work environment			- Indian Salara Barbaran Salara			50_
7	Product realization					(450)	
7.1	Planning of product realization	0	5	15	20	30	30
7.2	Customer related processes	0	10	30	50	60	60
7.3	Design and development						
7.3.1	D& D Planning	0	5	15	20	30	30
7.3.2-3-4	Inputs, outputs & review	0	5	15	20	30	30
7.3.5-6		0	5	15	20	30	30
7.3.7	Control of design and development changes	0	5	15	20	30	30
7.4	Purchasing	0	10	30	50	60	60
7.5	Product and service provision						
7.5.1	Control of production and service provision	0	10	25	40	50 .	50
7.5.2	Validation of processes for production and service provision	0	10	20	30	40	40_
7.5.3		. 0	10	20	30	40	40
7.5.4-5		0	5	15	20	30	. 5
7.6	Control of monitoring and measuring device	0	5	10	15	20	15
7.0						(200)	200
8.1	General	0	5	10	15	20	20
8.2	Monitoring and measurement						
8.2.1	Customer satisfaction	0	5	10	15	20	20
8.2.2	Internal audit	0	5	15	20	30	30
	-	0	5	15	20	30	30
8.2.3 8.2.4		0	5	15	20	30	30
	Control of nonconforming product	0	5	15	20	30	30
8.3		0	5	10	15	20	20
8.4	Analysis of Data	0	5	10	15	20	20
8.5	Improvement			NAC 15.	TOTAL	880 ⁽¹⁾ or 1000	970
The assess	sed Organization agrees on the Quality System scoring and C	orrective Ac	tion]	SCORE		100

The assessed Or requests	ganization agree	s on the Quality S	System scoring and	d Corrective Action	3 a 2 a a 3 a a
Organization Rep	resentative :		Signature :	Date :	
		The Training	111-2111	1 1	. 1
and the state of t	** <u> </u>	e grafishani grafish	Kthull. H	inderson 11/4	405

(1) When 7.3 is not assessed : SCORE = RESULT X 100

QUALITY SYSTEM QUESTIONNAIRE ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/
4 QUALITY MANAGEMENT SYSTEM					
4.1 General requirements	Banner Hannard	inconsorred	· · · · · · · · · · · · · · · · · · ·		i
01 Has the organization established, documented, implemented and maintained a quality management system and continually improve its effectiveness in accordance with the requirements of this International Standard?	ACTOR DESCRIPTION OF THE PROPERTY OF THE PROPE				j
 Does the organization: a) identify the processes needed for the quality management system and their application throughout the organization (1)? b) determine the sequence and interaction of these processes (1)? c) determine criteria and methods needed to ensure that both the operation and control of these processes are effective? d) ensure the availability of resources and information necessary to support the operation and monitoring of these processes? e) monitor, measure and analyze these processes? f) implement actions necessary to achieve planned results and continual improvement of these processes? 					
Are these processes managed by the organization in accordance with the requirements of this International Standard?					
Where an organization chooses to outsource any process that affects product conformity with requirements, does the organization ensure control over such processes?	P				
05 Is the control of such outsource processes identified within the quality management system ?*					
Note: Processes needed for the quality management system referred to above should include product realization and measurement. Suidance Note	rócesses fo	or ma	nagement,	provis	sio
) Main process formally identified e.g. : list, flow diagram, etc.			· .		
Objective evidence assessed / Observations / Comments / N/A explanation					

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Williams

	QUALITY SYSTEM QUESTIONNAIRE					
	ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
4.2	Documentation requirements	•			- 11	
4.2.1	General					
a) b) c) d)	ses the quality management system documentation include: documented statements of a quality policy and quality objectives? a quality manual? documented procedures required by this International Standard? documents needed by the organization to ensure the effective planning, operation and control of its processes? records required by this International Standard (see 4.2.4)? and quality system requirements imposed by the applicable Regulatory Authorities?				100 miles	
	es the organization ensure that personnel have access to quality management system numentation and are aware of relevant procedures?		/			
	Customer and/or regulatory authority representatives have access to quality nagement system documentation? Quality manual					
09 Has a) b)	the organization established and maintained a quality manual that includes (1): the scope of the quality management system, including details of, and justification for, any exclusions? the documented procedures established for the quality management system, or reference to them, and when referencing the documented procedures, is the relationship between the requirements of this International Standard and the documented procedures clearly shown (2)? a description of the interaction between the processes of the quality management system?					
Note 2: a) the second	Where the term "documented procedure" appears within this International Standard, this mented, implemented and maintained. The extent of the quality management system documentation can differ from one organization size of organization and type of activities, complexity of processes and their interactions, and competence of personnel				stablish	ied,
1) Qua	nce Notes lity manual reference and issue ck the procedure list					
Object	ive evidence assessed / Observations / Comments / N/A explanation					
	Reviewed proposed change to Manual - includent update to audit , Policy to reflict sees it	is pro	pos	res		

Reviewed proposed change to Hancal - including proposed update to audit y Policy to reflict sees NASA Values

Observed GUS documentation primarily electronic versions
Neviewed policy disjections

- assorted documents as needed by functional area assessable of P.OC.

- assorted records as noted berein

- access to auditable-

QUA	LITY SYSTEM QUES	TIONNAIRE		:	·
ASSESSME	NT QUESTIONS		KEY Requirements	S CAR Number Ma or mi	N/A
4.2. Documentation requirement	e (continued)				\
4.2.3 Control of documents	s (continued)				
10 Are the documents required by the quality m	panagement system controlled ?		M		
11 Are records controlled according to the requ					
12 Has a documented procedure been establisi a) approve documents for adequacy prior to review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and update as necessary and recommended in the current review and recommended in the	ned to define the controls needed o issue? e-approve documents? ision status of documents are ider ole documents are available at poind readily identifiable?	ntified ? nts of use ?			
g) prevent the unintended use of obsolete them if they are retained for any purpose	e documents, and to apply suital		**************************************	Protestationa.manetts	
13 Does the organization coordinate document authorities in accordance with contract of	nent changes with customers	and/or regulatory			
4.2.4 Control of records					
14 Are records established and maintained to of the effective operation of the quality mana	•	requirements and	POD TO THE POPULATION OF THE P	à i i)r i i còm dagg	
15 Do records remain legible, readily identifiable					
16 Has a documented procedure been est identification, storage, protection, retrieval, r			OFFICE OF THE PARTY OF T		A COLUMN ASSESSMENT AS
17 Does the documented procedure defin created by and/or retained by suppliers ?	e the method for controlling				
18 Are records available for review by cust with contract or regulatory requirements	· -	es in accordance	***************************************		And the second s
4.3 Configuration management	•				
19 Has the organization established, docume process appropriate to the product ?	nted and maintained a configura	tion management	P	Common de Americano (Prima)	
Guidance Note 1) List records reviewed		*			
Objective evidence assessed / Obser	vations / Comments / N/A	explanation	***************************************		
Revived Dwg sothe	•	er confis			
	Pes xx 70 B1		•		
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	10-12 10-12 10-12	QUALI	TY SYSTEM	QUESTIO	NNAIRE				9	
		ASSESSMENT	QUESTIONS			KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
5	MANAGEMEN	IT RESPONSIBILI	r y		7.					
5.1	Management		• • • • • • • • • • • • • • • • • • •							
01 Has	Top managemen	t provided evidence uality management system		t to the devel		M	***************************************		CONTROL ON THE PROPERTY OF T	**************************************
a) c b) e c) e	and regulatory requi establishing the qua ensuring that quality	lity policy ? objectives are establish		customer as well	l as statutory					
	conducting manager ensuring the availab									
5.2	Customer foc					1 1			<u> 21521</u>	
		nsured that customer rener satisfaction (see 7.2		ermined and are	met with the		1			
5.3	Quality policy		5-			1				
a) is b) in c c) p d) is	s appropriate to the ncludes a commitme of the quality managorovides a framewor	k for establishing and red d understood within the	tion ? ements and continu viewing quality obje	ectives ?	effectiveness					
5.4	Planning			*********					1.0000000000000000000000000000000000000	
5.4.1	Quality objective	es								
requi	•	ensured that quality t [see 7.1 a)] are estab	•	_		TOTAL CONTROL OF THE STATE OF T	V			
05 Are t	he quality objectives	measurable and consi	stent with the quality	y policy ?		M	/			
5.4.2	Quality manager	ment system planning	3			1				
a) th (s b) th	see 4.1), as well as he integrity of the c	nsured that : uality management syste the quality objectives ? uality management sys are planned and imple	and tem is maintained				/			CONTROL CONTRO
Guidar	nce Notes									
1) Evide 2) Identi	ence of managemer	it commitment nod of communication atus of their implementa	tion	er Balle da de	and the second second second					
Objectiv	ve evidence as	sessed / Observat	ions / Comme	nts / N/A exp	lanation					
Ok	served d	lanagement Cer	anotmet.	to does + 1	improver	nest the	non	Linv	ilve	~~
in	Integrates	I Mgmd Fyst. 13	rand (Is	MB) and	(susce	rative.	\mathcal{H}_{l}	ppet Cor	uci	e (f
,	Sect Market	estone Foreus	The State of the S	A STATE		1.74	177		1,117	
Revo	reived Polis	charge - Mo	irshall INAS	A Values	+ itesi	ester	w	دة نام و	سمارير	5

Observed integrity of all 5 though Change (Transformation)

S: Satisfactory. - CAR: Corrective action required - Ma: Major corrective action - Mi: Minor corrective action

N/A: Not applicable - N/E: Not evaluated - P: Product - M: Management

SAE AS9101 Revision B and the party of

QUALITY SYSTEM QUESTIONNAIRE			• • • • • • • • • • • • • • • • • • • •	
ASSESSMENT QUESTIONS	KEY Requirements	S CAR Number Ma or mi	N/A N/E	
5.5 Responsibility, authority and communication		[6]. [4].		
5.5.1 Responsibility and authority				
07 Has Top management ensured that the responsibilities and authorities are defined and communicated within the organization (1) ?				Management American
5.5.2 Management representative	and a second of the second of	(1) (A)		
08 Has Top management appointed a member of management who, irrespective of other responsibilities, has responsibility and authority that includes:	r M			
a) ensuring that processes needed for the quality management system are established,	Annual Control	000000000000000000000000000000000000000		
implemented and maintained ? b) reporting to top management on the performance of the quality management system and	***************************************		1	-
any need for improvement? c) ensuring the promotion of awareness of customer requirements throughout the organization	200000000000000000000000000000000000000			
? and	*		And the second s	Orași Orași
d) the organizational freedom to resolve matters pertaining to quality? 5.5.3 Internal communication			<u>IL</u>	- Islanda
09 Has Top management ensured that appropriate communication processes are established				1 priminging
within the organization and that communication takes place regarding the effectiveness of the quality management system?	han vallensees			
Guidance Note			Generalitati Generalitati]
Identify and records method of communication within the organization				
Objective evidence assessed / Observations / Comments / N/A explanation]
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				VI GOLOTI	ONNAIRE	KEY S	CAR	N/A N/E
		ASSESSME	NT QUESTIONS			Requirements	Number Ma or mi	IWA IWE
.6	Management re	view			<u>.</u>			4. 4.
.6.1	General							
	Top management revals, to ensure its cont				em, at planned			
	s this review include a quality management sy							
2 Are	records from managem	nent reviews mai	ntained (see 4.2.4) ?					
5.6.2	Review input		Harris III			T- 1		
a) b)	s the input to managemesults of audits? customer feedback? process performance a							
d) e)	status of preventive and follow-up actions from purchanges that could affe	d corrective action or evious manage act the quality manage	ns? ment reviews?	.nd				
g) 5.6.3	recommendations for in	nprovement?				<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>
	the output from the ma		•			M		
e)	improvement of production resource needs?					<i>J</i>		
	NI-4							
) Rec	Ince Notes ords management revie fy the availability of inpu					orts; etc.		
bject	ve evidence asse	essed / Obse	vations / Comm	nents / N/A e	xplanation			
7	- Custmen	5/05 - R	Lanuce	rufy Me	nde, ar	sectation	Puelazi	
	- Customer	feedbac	K -			0 1 1		
e'	- Apject ive	es - flow -Bifferen	rdom of gi	rolo for je apperact	etwes st	ray kait	oy.	
		alian.	. + Home	Lan				
		- accorn	end over wh	Long org.				
	- audit le	sult - x	ICR'S - Tien	hant org. ching ITA	ending			
٠ •	- audit le - (Noven l	sult - x	ICR'S - Tien	ching /Tx	ending - schedus	l, Cot, Tec	Anicel	Hgus
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	A. A	TUT Kevisi		alika ili	<i>X</i> 4			
QUAL	ITY SYS	TEM QUE	STIONNAIRE	,			1	
ASSESSMEN	T QUESTION	S .		KEY Requirement	S	CAR Number Ma or mi	N/A	N/E
RESOURCE MANAGEMENT							. i	
1 Provision of resources								
Has the organization determined and provided a) to implement and maintain the quality effectiveness? And b) to enhance customer satisfaction by meet	management	system and co	ntinually improve its					
2 Human resources			<u></u>	e de la composition			f	
Are personnel performing work affecting proceducation, training, skills and experience (1)?	4 4 400	mpetent on the	basis of appropriate	***************************************			Annual Control of the	
2.2 Competence, awareness and traini		ndeny di	st System		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1,39,131	
a) Does the organization: a) determine the necessary competence find quality (2)? b) provide training or take other actions to sail c) Evaluate the effectiveness of the actions to d) ensure that its personnel are aware of the how they contribute to the achievement of e) maintain appropriate records of education,	isfy these nee iken ? e relevance a the quality obj	eds? nd importance ectives?	of their activities and	P	×			
3 Infrastructure				[{	1111-			
4 Does the organization determine, provide an conformity to product requirements? Infrastructure includes, as applicable: a) buildings; workspace and associated utiliti b) process equipment (both hardware and so c) supporting services (such as transport or c)	es ? ftware) ? And		e needed to achieve	Temperatura menana menana temperatura menana di perana di perana di perana di perana di perana di perana di pe				
4 Work environment				1			,	
Does the organization determine and mar conformity to product requirements ?	age the wor	k environment	needed to achieve	P	1			
ote: Factors that may affect the conformity of t scharge, etc.	ne product inc	lude temperatur	e, humidity, lighting, c	leanliness,	protection	on from ele	ectrost	atic
uidance Notes Review training Records and Plan (status of the Give examples of methods used to determine) Review training certificates for the certified per	competence (e:g:: competend	e-matrix, multiskill,)		ses)			
bjective evidence assessed / Observ	ations / Co	omments / N	/A explanation					
Certification - per Mu Reisennel Certific				N ∂		leutin Frag		on
CERTRAK. J. Smpetency Management By	ares Ba	bicz-	A		in da di ma			ALL Law Artists of the Artists of th
. Determination of crist	cal Cry	etineis	- E. John - L. Coo	son-	Flyw Tus	sypt. b	Eng.	S _j
· Maintons record of Trace			*	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
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		QUALIT	Y SYST	EM QUE	STIONNAI	RE		1.000 1.000 1.000 1.000		-
		ASSESSMENT C	QUESTIONS		18.5% 19.5%	ing i	KEY Requirements	S CAR Number Ma or mi	N/A	١
	PRODUCT REALI	ZATION				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1944 A	1965 1975 1985		
1	Planning of produ	ıct realization		1 (#) (#) 1 (#)		- 47 1.	ा सम्बद्धाः इति सम्बद्धाः			
	Does the organization plan	and develop the pro	cesses need	ed for produ	ct realization?					
	(see 4.1) Is planning of product realize	ation consistent with	the requirer	nents of the	other processes	of the				1
	quality management system		Tale require		outor products			1 64-1		arramant d
I	n planning product realizatio	. 7.66		ine the follow	ving, as appropria	te:				- AND AND ADDRESS OF THE PARTY
	a) quality objectives andb) the need to establish	10 pt		vide resourc	es specific to the		***************************************			The Part Control
	product?.	p. 000000, 000aiii.					700 000 000 000 000 000 000 000 000 000	000	***************************************	
	 c) required verification, product and the criter 	7 EA -	. T1 100 100 100 100 100 100 100 100 100	n and test a	ctivities specific t	o the	- 44			***************
	d) records needed to pr	ovide evidence that		on processe	and resulting pr	oduct	P			
	meet requirements (s e) the identification of		upport.oper	ation and	maintenance of	the	AND THE PROPERTY OF THE PROPER			-
	product ?						-			200
Is	the output of this planning i	n a form suitable for	the organiza	ation's metho	od of operations?		<u> </u>		لسببيا	
	Certificat 10 7-2386-5872 W/0 T-2415-		5. Me		- Cryoz	= \		,	A	À
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100		QUAL	ITY SYSTEM	QUESTIO	NNAIRE		1.1		
# P1 - 35-		ASSESSMEN	T QUESTIONS			KEY Requirements	S CAR Number Ma or mi	N/A	N/E
7.2	Customer-relate	d processes		1813 2813 1314				102	9.0
7.2.1	Determination of re	quirements rela	ted to the product			e Septimina			
05 Doe	s the organization determ	ine:	aga da	[8] et .	· pis	М	100	1.34	
a)	14 Transfer of 18 Section 19	by the customer,	including the requirer	ments for delive	ry and post-				
b)	delivery activities ?	by the guatement	in an analysis	sified or intended	d uno suboro				
, D)	requirements not stated known?	by the customer t	out necessary for spec	linea or interiae	u use, where				١,
c)	statutory and regulatory	requirements relat	ed to the product? ar	nd	era juda 11 -				~
d)	any additional requireme	nts determined by	the organization ?	<u> </u>				1	<u>l</u>
7.2.2	Review of requiremen	its related to the	product	de la line	· · · · · · · · · · · · · · · · · · ·	1			150000000000000000000000000000000000000
06 Do	es the organization review	v the requirements	related to the produc	xt?					
cu	the review conducted particles to stomer (e.g. submission ranges to contracts or order	of tenders, acc	eptance of contracts			Р			
	product requirements are			e de la companya de l		THE CONTRACTOR OF THE CONTRACT			
State Com-	contract or order requires	980 miles miles	1.00	ARTON AT THE	olved ?				
	the organization has the	- ,	_ '						· ·
-	risks (e.g., new technol							4-4	-
	records of the results e 4.2.4) (2) ?	of the Teview a	nd actions alising if	on the review	maintained			<u> </u>	
	ere the customer provid uirements confirmed by th			uirement, are th	ne customer				
doc	ere product requirement numents are amended a uirements?					P			
	n some situations, such information such as catal			practical for ea	ch order. Ins	tead the revi	ew can cover th	e relev	/ant
7.2.3	Customer communic	cation						 	·
	es the organization determ customers in relation to		nt effective arrangeme	ents for commur	nicating		TO THE PARTY AND		
	product information?	•	4				200		
b)	enquiries, contracts or or	der handling, inclu	ding amendments? a	ind		and the state of t			
c)	customer feedback, inclu	ding customer cor	nplaints ?						
1)Che	nce Notes ck that_all_affected_function examples	ns are involved in	the review						
Object	ive evidence asses	sed / Observa	itions / Commen	its / N/A exp	lanation				
					······································				
		2000 A							
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S: Satisfactory - CAR: Corrective action required – Ma: Major corrective action – mi: Minor corrective action N/A: Not applicable - N/E: Not evaluated - P: Product - M: Management - 26 -

Section 19

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	QUALITY SYSTEM QUESTIONNAIRE					
	ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
7.3	Design and development		.,			
7.3.1	Design and development planning			().		, Ar
12 Do	es the organization plan and control the design and development of product?	-	7			
13 Du	ing the design and development planning, does, the organization determine:	M				
а)	the design and development stages (1)? - in respect of organization, task sequence, mandatory steps, significant stages and method of configuration control, the review, verification and validation that are appropriate to each design and development		⁄رة			
c)	stage? and the responsibilities and authorities for design and development?					
14 W	here appropriate, due to complexity, does the organization give consideration to the					
fo	lowing activities : - structuring the design effort into significant elements ?					
and the second	- for each element, analyzing the tasks and the necessary resources for its design and development. Does This analysis consider an identified responsible person, design content, input data, planning constraints, and performance conditions. Is the input data specific to each element reviewed to ensure consistency with requirements?	AND THE STATE OF T				
	es the organization manage the interfaces between different groups involved in design and velopment to ensure effective communication and clear assignment of responsibility?		/			
16 ls	olanning output updated, as appropriate, as the design and development progresses?		1			
sp	the different design and development tasks to be carried out defined according to ecified safety or functional objectives of the product in accordance with customer d/or regulatory authority requirements (2) ?	P	1			
7.3.2	Design and development inputs					
18 A	e inputs relating to product requirements determined and are records maintained (see 4.2.4)	M	,		.,	ļ,
	these inputs include: functional and performance requirements? applicable statutory and regulatory requirements? where applicable, information derived from previous similar designs? and other requirements essential for design and development?		/			
	these inputs reviewed for adequacy?		Ţ	1		
	e requirements completed, unambiguous and not in conflict with each other?		/			
1) Giv tas 2) Giv	ance Notes e at least an example of a completed design & development plan, or an example of one-in-p ks and key events. e an example view applicable input data (give examples)	rogress, tha	ıt-ide	ntifies-the-p	olannin	g-of-

Objective evidence assessed / Observations / Comments / N/A explanation

MS3R Project - E I32-0I-001 Rever Material Science Research Branch
MSFC-PLAN-3071 - Plen D

MSRR-1-DOC-0001 12/1/13- Concept Document

S'RS-[MSFC-5PEC-2986] Rever July 05

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S: Satisfactory - CAR: Corrective action required - Ma: Major corrective action - mi: Minor corrective action N/A: Not applicable - N/E: Not evaluated - P: Product - M: Management

ph- Jydem Desys 7,31 inputs - MSPRI (SRED) MSFC-ROMT-2994 planning det. MSFC-PLAN-2902 4/2/03
prij. schilde. <u>All</u>
open Actin Status reporting Monthly Statu 10/19/05 MSRR-1 Input - MSFC-ROMI-2871 Revo 8/5/05 - Des. Regl's flowdown as defined in MSFC-ROMT-2994 Par 4.2.2.3.1 Percessing Timeline under Funct. + Resformene Regt's (4.2.2.3) Weification Regd's established with specified critain TCP Board minutes to authorize progression to next stage (CDR) of see- her board Mty facor 6/17/02 Plan 2702 - States -Origi, Level Reviews will be conducted greated w/ proj team a with MSAD mgs.

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1.4		QUALITY SYSTI	EM QUE	STION	NAIRE		<u> </u>	100	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5
i j		ASSESSMENT QUESTIONS	18 A.		(a)	KEY Requiren		CAR Number Ma or mi	N/A	N/E
7.3	Design and	development (continued)		1979 1974 1974 1974		'				
7.3.3		evelopment outputs			1.90 1.70x (1),	<u> </u>				
4.37		sign and development provided in a form propert input and approved prior to release	- 11 A	verification	111.3					
3.5		velopment outputs	7	Hat	ris 1	М		:154-	1.71	
		quirements for design and development?	?	دردس •						
b)	provide appropria	te information for purchasing, production	and for servi	ce provisio	on ?					
	4 4544 4 24	ce product acceptance criteria ?		w.		donosistana	V			
		cteristics of the product that are essential					THE PERSON NAMED IN COLUMN			
e)	identify key char requirements ?	racteristics, when applicable, in acco	ordance with	design o	or contract				ar meditadistant	
23 is ali	i pertinent data re	equired to allow the product to be iden	ntified, manu	factured,	July	M	tal gran	1 vitara	Jones	
	•	maintained defined by the organization								
	- drawings,	part lists, specifications ?								
	configurati	those drawings, part lists, and specifion and the design features of the pro	duct ?				1			
	- information	n on material, processes, type of man	ufacturing a	nd assem	bly of the					
	product nece	ssary to ensure the conformity of the	product?					<u> </u>	1	L
7.3.4	Design and de	evelopment review				.,	- 14 <u></u>			
24 At s	suitable stages, are	e systematic reviews of design and devel	lopment perfo	ormed in a	ccordance	M				
		nents (see 7.3.1) to (1) : y of the results of Design and developme	ent to meet re	quirement	s ?					
		ems and propose necessary actions ? an		•						İ
c)	authorize progre	ssion to the next stage ?								L
25 Do	participants in suc	h reviews include representatives of fund	ctions concer	ned with th	e design		/			
and	development stage	e(s) being reviewed ?	***							<u> </u>
26 Are	records of the resi	ults of the reviews and any necessary act	tions maintair	ned (see 4.	.2.4) ?					
7.3.5	Design and de	evelopment verification				Tremodiani			•	
27 Is ve		ed in accordance with planned arrangeme	ents (see 7.3	.1) to ensu	re that					
		pment outputs have met the design and								<u> </u>
		ults of the reviews and any necessary act								
Note : [performing alto comparing the undertaking te	velopment verification may include ac ernative calculations new design with a similar proven des sts and demonstrations, and design stage documents before releas								
Guid	ance Notes									_
	ve evidence of rev	riews	1.19							
1) G	ve evidence of rev	iews .								
Object	ive evidence a	assessed / Observations / Com	nments / N	I/A expla	anation	£	El a	ldetien	of pe	yes
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MSRA-1= SKR conducted June 30,05 (action Acm)

SWPDR 3/30/99

SWPDR 2/02

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USRR-1 Sephian Devr. EI32-0I-001 par 10.1.6. € PSD output care 2 · dévolopment of Pulen SDD Venfréd 101.6.2 5 RID Rogen 16.1.7. all Rios Clesed puin to Detailed S.D. plan 1

la 10.23 SW Des Desc. Task Resp.

- , Das Walk-through for her Review of SW Detrail Des.
- · Defin CSCI Comperent. · Swista input /ontput description V

Par 10. 2.1.1 - Metrics - code log; RIO Prog., Defect Ageing, Defect Density 10.2.4.2 MSEC Defailed SDD - ED14-MSRR-DSDS Nov-7,00 V

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	QUALITY SYSTE	M QUEST	TIONN	AIRE	T (2=1)	jara Tawa T	4,500	1	
	ASSESSMENT QUESTIONS	7 (m.) 47.) 47.0			KEY Requirement	s S	CAR Number Ma or mi	N/A	N
7.3 Design and	development (continued)								
7.3.6 Design and d	evelopment validation		142	4.90			- 1,5		ů.
(see 7.3.1) to ensure the specified application or	ment validation performed in accordance w nat the resulting product is capable of meeti rintended use, where known?	ing the require	ements for	the	P				
Wherever practicable, Product?	is validation completed prior to the delivery	or implemen	tation of th	Э			. = 12p. 22, ye.		,
	Its of validation and any necessary actions	maintained (se	ee 4.2.4) ?	A.,					
Validation is normally provided validation is normally provided to the value of the validation is normally provided to the value of the	ment validation follows successful design a performed under operating conditions. performed on the final product, but may be by be performed if there are different intende	necessary in t	he earlier :		ior to produ	uct com	pletion.		
7.3.6.1 Documentation	n of design and/or development verificat	ion and valid	lation						
2 At the completion of reports, calculations specification require	f design and/or development, does the o , test results, etc., demonstrate that the ments for all identified operational cond	rganization e product defir itions?	nsure tha		M				
	development verification and validation essary for verification and validation, are	····	- 2		Р	<u> </u>		· · · · ·	
	ecifications identify the product being te								
acceptance crite b) test procedures the recording of c) the correct confi	t objectives and conditions, parameters ria? describe the method of operation, the the results? guration standard of the product is sub s of the test plan and the test procedures	to be record performance nitted for the	led, and r of the te test?	elevant	And the state of t			THE TAXABLE PROPERTY OF TAXABLE PROPERTY O	,
acceptance crite b) test procedures the recording of c) the correct confi d) the requirements e) the acceptance of	t objectives and conditions, parameters ria? describe the method of operation, the the results? guration standard of the product is sub s of the test plan and the test procedures	to be record performance nitted for the	led, and r of the te test?	elevant	Commence of the Commence of th			CONTRACTOR	,
acceptance crite b) test procedures the recording of c) the correct confi d) the requirements e) the acceptance of	t objectives and conditions, parameters ria ? describe the method of operation, the the results ? guration standard of the product is subset of the test plan and the test procedures criteria are met ?	to be record performance nitted for the	led, and r of the te test?	elevant	To the state of th				
acceptance crite b) test procedures the recording of c) the correct confi d) the requirements e) the acceptance of uidance Note) Give an example of a	t objectives and conditions, parameters ria? describe the method of operation, the the results? guration standard of the product is subset of the test plan and the test procedures exiteria are met?	to be record performance mitted for the s are observe	e of the te test ? ed ?	elevant st, and	Control of the Contro			CONTRACTOR	
acceptance crite b) test procedures the recording of c) the correct confi d) the requirements e) the acceptance of uidance Note Give an example of a	t objectives and conditions, parameters ria? describe the method of operation, the the results? guration standard of the product is substant of the test plan and the test procedures criteria are met? qualification report assessed / Observations / Comm L-LfT	performance mitted for the s are observe	e of the te test ? ed ?	elevant st, and	Volida	Acan	place	y f	
acceptance crite b) test procedures the recording of c) the correct confii d) the requirements e) the acceptance of uidance Note Give an example of a bjective evidence a NSRAI-MS MUC	tobjectives and conditions, parameters ria? describe the method of operation, the the results? guration standard of the product is subset of the test plan and the test procedures criteria are met? qualification report assessed / Observations / Comm BL-LFTP Just- May - Mayleted - Vinterial Comm SUA - Mayleted - Vinterial Co	performance mitted for the sare observed ments / N/A	e of the test ? ed ? explana	ation	Volida	fin	place	y st	
acceptance crite b) test procedures the recording of c) the correct confii d) the requirements e) the acceptance of uidance Note Give an example of a bjective evidence a NSRNMS MUC	t objectives and conditions, parameters ria? describe the method of operation, the the results? guration standard of the product is subrest of the test plan and the test procedures exiteria are met? qualification report assessed / Observations / Comm BL - LFTP TM SQA Mapletd - VM SQA	performance mitted for the sare observed ments / N/A	e of the test ? ed ? explana	ation	ilolida	Fin	place	y st	

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	QUALITY SYS	TEM QUESTIC	NNAIRE	450	Application of the second	7.00
	ASSESSMENT QUESTION	State 1		KEY S Requirements	CAR Number Ma or mi	N/A N
7.3 Design and o	development (continued)			神道から (基本) (特殊) (1488年)	1967 1978 1978 1978	
7.3.7 Control of des	ign and development changes					(p
	pment changes identified and record		394 100 100 100		149	
implementation (1) ?	wed, verified and validated, as appro		digential in the regulation	P	in a	
changes on constituen	sign and development changes include t parts and product already delivered	1?	<u> Parting and American and Amer</u>	P		
	n's change control process provid changes, when required by contra					
	of the review of changes and any ne					-
Guidance Note			ele de la		: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	To Shing
Give an example Dijective evidence a	essessed / Observations / C	omments / N/A ex	planation	A		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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ASSESSMENT QUESTIONS	KEY Requirements	S CAR Number Ma or m		N/E
4 Purchasing		12 12 14 14 15 16		
4.1 Purchasing process			-1, 194-195 -1, 197	
Does the organization ensure that purchased product conforms to specified purchase Requirements ?	P			1
Is the type and extent of control applied to the Supplier and the purchased product dependent upon the effect of the purchased product on subsequent product realization or the final product?	Control of the contro	Management of the control of the con		
Is the organization responsible for the quality of all products purchased from suppliers,			1	
including customer-designated sources ? Does the organization evaluate and select Suppliers based on their ability to supply product in accordance with the organization's requirements?				Ħ
Are criteria for selection, evaluation and re-evaluation established?				Ħ
Are records of the results of evaluations and any necessary actions arising from the evaluation maintained (see 4.2.4)?		WHITE WAS A STATE OF THE STATE	ing:	
Does the organization :	M			
 a) Maintain a register of approved Suppliers that includes the scope of the approval (1)? b) Periodically review Suppliers performance and use the records of these reviews as 				
a basis for establishing the level of controls to be implemented (2)? c) Define the necessary actions to take when dealing with Suppliers that do not meet		THE THE PROPERTY OF THE PROPER		
requirements ?		, , , , , , , , , , , , , , , , , , ,		V
d) Ensure where required that both the organization and all Suppliers use customer- approved special process sources?	***************************************	accompany		
e) Ensure that the function having responsibility for approving Supplier quality systems has the authority to disapprove the use of sources?		***************************************		
uidance Notes Review current list of approved Suppliers Review suppliers performance / measurement system (e.g.: supplier rating, etc.)				
jective evidence assessed / Observations / Comments / N/A explanation				
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QUALITY SYSTEM QUESTIONNAIRE ASSESSMENT QUESTIONS Number Ma or mi 7.4 Purchasing (continued) 7.4.2 **Purchasing information** 46 Does purchasing information describe the product to be purchased, including where appropriate (1): requirements for approval of product, procedures, processes and equipment? a) requirements for qualification of personnel? b) quality management system requirements? C) the name or other positive identification, and applicable issues of specifications, d) drawings, process requirements, inspection instructions and other relevant technical requirements for design, test, examination, inspection and related instructions for e) acceptance by the Organization? requirements for test specimens (e.g., production method, number, storage conditions) for design approval, inspection, investigation or auditing? requirements relative to: - supplier notification to Organizationr of nonconforming product? and - arrangements for Organizationr approval of supplier nonconforming material? requirements for the supplier to notify the Organization of changes in product and/or process definition and, where required, obtain organization approval? right of access by the organization, their customer, and authorities to all facilities involved in the order and to all applicable records? and $requirements \ for \ the \ supplier \ to \ flow \ down \ to \ subtier \ suppliers \ the \ applicable$ requirements in the purchasing documents, including key characteristics where 47 Does the organization ensure the adequacy of specified purchase requirements prior to their communication to the supplier? **Guidance Note** Examine purchase orders that apply to several types of procurement. Objective evidence assessed / Observations / Comments / N/A explanation

	QUALITY	SYSTEM QUESTIONNA	AIRE				1.
2 KS	ASSESSMENT QU	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	KEY Requirement	s S	CAR Number Ma or mi	N/A	N/E
7.4 Pure	chasing (continued)			7			
	fication of purchased product				in de		
	rganization establish and implement th				7 1 1 1 p.		
ensuring the	nat purchased product meets specified objective evidence of the quality	d purchase requirements, they may	include				
accompan	ying documentation, certificate of co	onformity, test reports, statistical re	ecords,				
	ontrol, inspection and audit at supation, inspection of products upon re						
supplier, o	r supplier certification ?						
1 10 10	ed product held until it has been veri its unless it is released under positiv						
the second second	organization utilizes test reports to ve rts acceptable per applicable specific		in				
51 Does the o	rganization periodically validate test	reports for raw material (1) ?					
	organization delegates verification act ion defined and a register of delegati		ements		•		
53 Where the o	organization or its customer intends to p	erform verification at the supplier's pre			.]		
	ganization state the intended verification	arrangements and method of product	t land				÷
	ne purchasing information ? cified in the contract, is the customer	or the customer's representative at	Fforded		<u> </u>		H
the right	to verify at the supplier's premise acted product conforms to specified i	es and the organization's premise	es that				
	ed that verification by the customer is e control of quality by the supplier (in						\mathcal{J}
	lity to provide acceptable product, n						. F
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Guidance 1) Give an exa							
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Objective evi	idence assessed / Observatio	ns / Comments / N/A explana	ation			······	
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ASSESSMENT QUESTIONS

QUALITY SYSTEM QUESTIONNAIRE

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N/A N/E

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7.	5	Production	and service provi	sion							- 10 - 10 - 10	
7.5	5.1	Control of pr	oduction and service	provision	. 9.			11.		 		
56	Does	 the estable key chara the identified 	ider, as applicable : lishment of process co cteristics have been id fication of in-process v nce cannot be perform	entified verification po	ints when	adequate ve		P				
57	Does	be taken, - special pr	n, manufacture, and us particularly for key cha ocesses (see 7.5.2). on plan and carry out p	aracteristics, a	and `							
	cond Do th a)	litions (1) nese controlled o the availability o	conditions include, as ap of information that descrit	plicable : bes the charact				***************************************			-	
****** *	c) d)	the use of suitab the availability a	of work instructions, as no ole equipment? and use of monitoring and tion of monitoring and me	d measuring de	evices ?	Turky			7			
	f) g)	the implementat	tion of release, delivery a for all product during i	and post-deliver	-		split orders,	***************************************				
	7.	planned, or as	all manufacturing and otherwise documented to prevention, detection	l and authoriz	ed?	•	ompleted as	P P				
	j)	monitoring and electricity and	d control of utilities a chemical products to t	and supplies he extent they	such as affect pr	water, comp oduct quality	? and	•				The state of the s
			rkmanship, which shall andards, representativ				ical manner					

Guidance Notes

1) List the Part Number(s) used for this review

Objective evidence assessed / Observations / Comments / N/A explanation

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Dwg: TAS-362-1661 Revxx TPS-300-1186-4

TSS-300-5 Rev Bi 306-1138 M

That Service Mgnt-Diocussed Performance Heasures-School, Cost, Ref.
Customer SAT-Resource Considerations - computency Repts, physical infrastructure
physical infrastructure
into greating per 304-JCP-011 detail 11/3/05

P 2509-1 HZ Ice Frost Ramp

Control of Equipment, utilities, Supplies,

	QUALITY SYSTEM QUESTIONNAIRE					:
	ASSESSMENT QUESTIONS	KEY Requirements	s	CAR Number Ma or mi	N/A	N/E
7.5	Production and service provision (continued)					
7.5.1.	1 Production documentation			Fat		-
58 Ar	e production operations carried out in accordance with approved data?		\ <u>\</u>			<u></u>
59 Do	es the data contain as necessary :	Р				
a)	production documents (e.g., manufacturing plans, traveler, router, work order, process cards); and inspection documents (see 8.2.4.1) ? and		/			and the state of t
b)	a list of specific or non-specific tools and numerical control (NC) machine programs required and any specific instructions associated with their use?					Company (Action) as passed
7.5.1.2	2 Control of production process changes					
	re persons authorized to approve changes to production processes identified (1) ?	M				V
an	s the organization identified and obtained acceptance of changes that require customer id/or regulatory authority approval in accordance with contract or regulatory quirements?					✓
	e changes affecting processes, production equipment, tools and programs cumented?	Р				V
63 Ar	e procedures available to control their implementation ?					"
64 Ar	e the results of changes to production processes assessed to confirm that the desired fect has been achieved without adverse effects to product quality ?	Р				V
7.5.1.3	Control of production equipment, tools and numerical control (N.C.) machine program	ns	p		·	·
ins	spected periodically according to documented procedures ?	P				<u> </u>
th	e design data/specification ?	P				'
	e storage requirements, including periodic preservation/condition checks, established r production equipment or tooling in storage ?					_/
7.5.1.4	Control of work transferred, on a temporary basis, outside the organization's facilitie		·····		I	[
fac	hen planning to temporarily transfer work to a location outside the organization's cilities, does the organization define the process to control and validate the quality of work?	M				V
Guid	ance Notes					
1) Cle	early defined list or procedures					
Objec	tive evidence assessed / Observations / Comments / N/A explanation					
	Reviewed durgs - TAS-302-took RevXX TSS-300-5 RevBi					
	•					
***************************************	75P5 = 300-1180-M					
	700-1136- M					

S: Satisfactory - CAR: Corrective action required - Ma: Major corrective action - mi: Minor corrective action N/A: Not applicable - N/E: Not evaluated - P: Product - M: Management

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QUALITY SYSTEM QUESTIONNAIRE KEY s CAR N/A ASSESSMENT QUESTIONS equireme Ma or mi Production and service provision (continued) 7.5 Control of service operations 7.5.1.5 Where servicing is a specified requirement, do service operation processes provide for : a method of collecting and analyzing in-service data? actions to be taken where problems are identified after delivery, including investigation, reporting activities, and actions on service information consistent with contractual and/or regulatory requirements (1) (2) ? the control and updating of technical documentation? the approval, control, and use of repair schemes (3) ? and, d) the controls required for off-site work (e.g., organization's work undertaken at the customer's facilities) ? 7.5.2 Validation of processes for production and service provision 70 Does the organization validate any processes for production and service provision where the resulting output cannot be verified by subsequent monitoring or measurement (This includes any processes where deficiencies become apparent only after the product is in use or the service has been delivered) (4)? These processes are frequently referred to as special processes. Note: Does validation demonstrate the ability of these processes to achieve planned results? M 72 Has the organization established arrangements for these processes including, as applicable: defined criteria for review and approval of the processes? -qualification and approval of special processes prior to use? approval of equipment and qualification of personnel? b) use of specific methods and procedures? - control of the significant operations and parameters of special processes in accordance with documented process specifications and changes thereto (5)? requirements for records (see 4.2.4)? and revalidation?

Guidance Notes

1) Review reports issued following visits to the customer (technical support). Comment on method of collection of in service data. Examine some investigation reports

2) Review evidence of implementation of corrective and preventive actions.

3) Review evidence of what has been assessed (e.g.: maintenance manual, repair manual, information to customer)

Verify the existence of list of special processes.

5) Give examples

Objective evid	ence_assessed_/_Ob	servations / Comr	nents / N/A expla	nation		
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				4.5		
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		Service Control	Section 1	manager of the property of the second	en visit (Pality)	

QUALITY SYSTEM QUESTIONNAIRE	Ξ		V.	55		
ASSESSMENT QUESTIONS		KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
7.5 Production and service provision (continued)		1 (1) 1 (1) 1 (1) 1 (1)	•	3.7 2.7 2.7		(1) (1) (2)
7.5.3 Identification and traceability		+ 400				
73 Where appropriate, has the organization identified the product by suitable means throughout product realization?	ut 🎚					
74 Does the organization maintain the identification of the configuration of the product is order to identify any differences between the actual configuration and the agree configuration?	ď)	/	######################################	,	
Has the organization identified the product status with respect to monitoring and measuremer requirements?	nt		/			
76 When acceptance authority media are used (e.g., stamps, electronic signatures passwords), does the organization establish and document controls for the media (1) ?	s,	147.	J			
77 Where traceability is a requirement, does the organization control and record the unique identification of the product (see 4.2.4)?	е					1
78 According to the level of traceability required by contract, regulatory, or other established requirement, does the organization's system provide for (2):	d F	> ##-				
a) identification to be maintained throughout the product life ?	1					
b) all the products manufactured from the same batch of raw material or from the same manufacturing batch to be traced, as well as the destination (delivery, scrap) of all products of the same batch?				or investment of the second		
c) in any assembly, the identity of its components and those of the next higher assembly to be traced?	r	-		and the state of t) Marine Control of the Control of t	
 d) in any given product, a sequential record of its production (manufacture, assembly inspection) to be retrieved? 	/,					
Note: In some industry sectors, configuration management is a means by which identification and tr	race	ability is m	nainta	ined.		
7.5.4 Customer property						
79 Does the organization exercise care with customer property while it is under the organization's control or being used by the organization (3) ?	s					
80 Has the organization identified, verified, protected and safeguarded customer property provided for use or incorporation into the product?	j					
81 Does the organization define methods to identify and record customer products that are lost damaged or otherwise made unusable and report such to the customer?	:, <u> </u>	777				/
Note: Customer property can include intellectual property, including customer furnished data inspection.	us.	ed for de	sign	, productio	n an	d/or
Guidance Notes						
Give examples of method(s) used						.
 Give examples of traceability level applied (up and down) Identify types of product supplied by the customer. 						

Objective evidence assessed / Observations / Comments / N/A explanation

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		ASSESSMENT QUES	TIONS		KEY S Requirements	CAR N/A Number Ma or mi	N/E
5	Production and ser	vice provision (c	ontinued)			10 mg	
5.5	Preservation of produc	- 1 11 1 1					
	s the organization preserve	the conformity of produ	uct during internal pro	cessing and delive	ıry		
	the preservation include id	entification, handling, p	packaging, storage an	d protection ?			
	preservation also apply to	J. 58 79 11 4	计控制性 化二氯甲烷	14.2			
spec a) b) c)	s preservation of product cifications and/or regulati cleaning ? prevention, detection and special handling for sens marking and labeling inc.	ons, provisions for : d removal of foreign o sitive products ?	objects ?	lance with produ	ct P	William Segre	
а) е)	shelf life control and stoo	ck rotation ?	, s	* 1	(44)	70	
	special handling for haza es the organization ens ompany the product are	sure that document					
	ve evidence assesse					<u> </u>	
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2.45		QUALIT	TY SYSTEM Q	UESTION	NAIRE					
		ASSESSMENT (per dia suratana			KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
7.6	Control of monitor	ing and meas	uring devices	1965 1965 1965	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
monite	s the organization determing oring and measuring devi- mined requirements (see 7.2	ces needed to	g and measurement provide evidence of	to be undertake conformity of	en and the product to	P				/
and unic crite <u>Note</u> : N software ulso incl	es the organization main I define the process emplo que identification, locati eria ? Monitoring and measuring e, automated test equipm ludes personally owned a loct conformity.	oyed for their can on, frequency o devices includ ent (ATE) and p	libration including dof checks, check released in the checks, check released to produce	details of equipi method and a ed to: test hard oduce inspection	nent type, cceptance ware, test on data. It		de meteorie de la companya de la com			
carri	s the organization establishied out and are carried of asurement requirements?									
	es the organization ens brations, inspections, me				e for the	Tage:				
calii 11 Whei a)	brations, inspections, means re necessary to ensure valid calibrated or verified at spectraceable to international exist, the basis used for calibrations.	asurements and d results, is measurecified intervals, or or national measurelibration or verific	tests being carried uring equipment: or prior to use, agains surement standards;	out ? st measurement where no such	standards					
calli of When a) b) c)	brations, inspections, mea- re necessary to ensure valid calibrated or verified at spe- traceable to international exist, the basis used for ca- adjusted or re-adjusted as identified to enable the cali	asurements and d results, is measi ecified intervals, or or national measilibration or verific necessary? ibration status to b	tests being carried uring equipment: or prior to use, agains urement standards; ation shall be recorded be determined?	out ? st measurement where no such ed (2) ?	standards				ę	
b) c) d) e)	brations, inspections, mea- re necessary to ensure valid calibrated or verified at spi- traceable to international exist, the basis used for ca- adjusted or re-adjusted as	asurements and differential results, is measured intervals, or national measurements and recessary? It is not status to be that that would in differential deterioration during differential recessary.	tests being carried uring equipment: or prior to use, agains urement standards; ation shall be recorded by determined? validate the measured ing handling, mainte	out? st measurement where no such ed (2)? ment result?	standards standards				÷.	
calii 11 Whei a) b) c) d) e) f)	brations, inspections, meaning renecessary to ensure valid calibrated or verified at spectraceable to international exist, the basis used for candiusted or re-adjusted as identified to enable the calibrated from adjustments of the calibrated from damage and protected from damage and renecessary.	asurements and differents and differents in measure continuation or verification or verification status to be that that would in differents that would in different output the different of the value of	tests being carried uring equipment: or prior to use, against urement standards; ation shall be recorded by the determined? validate the measured ring handling, mainted ing calibration?	out ? st measurement where no such ed (2) ? ment result ? enance and stora	standards standards			NC*2	*	
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b) c) d) e) f) Does equij Does 4 Are ro	brations, inspections, meaning renecessary to ensure valid calibrated or verified at spectraceable to international exist, the basis used for call adjusted or re-adjusted as identified to enable the call safeguarded from adjustment protected from damage and recalled to a defined met as the organization assess arpment is found not to confort the organization take approximate the state of the organization take approximate the organization take ap	d results, is measi ecified intervals, or national measibilibration or verific necessary? ibration status to be ents that would indicate the deterioration during the requirement of the cord the validation of the cord the validation of the cord of the validation of the cord of the validation and verificant measurements.	tests being carried uring equipment: or prior to use, against urement standards; tation shall be recorded by edetermined? evalidate the measured ring handling, maintering calibration? dity of the previous materials and are attention maintained (see ant of specified requipment and are attention .	st measurement where no such ed (2)? ment result? enance and stora neasuring results by product affect e 4.2.4)?	standards standards ge ? when the			NC*2		

Guidance Notes

- 1) Review that the organization has a process for ensuring the capability of measurement system (e.g. Interval Analysis, Resolution Analysis, Gage Repeatable & Reproducibility, etc.)
- 2) Ensure the links to the recognized international / national standard.

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Objective ev	vidence assessed	/ Observatio	ons / Comments /	N/A explanati	on	
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QUALITY SYSTEM QUESTIONNAIRE 100 KEY CAR N/A N/E ASSESSMENT QUESTIONS Requirement Number Ma or mi 8 MEASUREMENT, ANALYSIS AND IMPROVEMENT 8.1 01 Does the organization plan and implement the monitoring, measurement, analysis and M. improvement processes needed (1): a) to demonstrate conformity of the product? b) to ensure conformity of the quality management system, and? c) to continually improve the effectiveness of the quality management system? 02 Does this include determination of applicable methods, including statistical techniques, and the extent of their use? Note: According to the nature of the product and depending on the specified requirements, statistical techniques may be used to support: design verification (e.g., reliability, maintainability, safety); process control: selection and inspection of key characteristics; process capability measurements; statistical process control; · design of experiment; inspection - matching sampling rate to the criticality of the product and to the process capability; - failure mode and effect analysis. **Guidance Notes** 1) Give examples of data Objective evidence assessed / Observations / Comments / N/A explanation

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2. Monitoring and measurement (continued) 2.1 Customer satisfaction 3 As one of the measurements of the performance of the quality management system, does the organization monitor information relating to customer perception as to whether the organization has met customer requirements (1)? 4 Are the methods for obtaining and using this information determined? 2.2 Internal audit	Requirements		CAR Number Ma or mi		N/E
2.1 Customer satisfaction 3 As one of the measurements of the performance of the quality management system, does the organization monitor information relating to customer perception as to whether the organization has met customer requirements (1)? 4 Are the methods for obtaining and using this information determined? 5 Does the organization conduct internal audits at planned intervals to determine whether the quality management system (2): a) conforms to the planned arrangements (see 7.1), to the requirements of this International Standard and to the quality management system requirements established by the organization? and b) is effectively implemented and maintained? 5 Is an audit program planned, taking into consideration the status and importance of the processes and areas to be audited, as well as the results of previous audits?					
As one of the measurements of the performance of the quality management system, does the organization monitor information relating to customer perception as to whether the organization has met customer requirements (1)? Are the methods for obtaining and using this information determined? Does the organization conduct internal audits at planned intervals to determine whether the quality management system (2): a) conforms to the planned arrangements (see 7.1), to the requirements of this International Standard and to the quality management system requirements established by the organization? and b) is effectively implemented and maintained? Is an audit program planned, taking into consideration the status and importance of the processes and areas to be audited, as well as the results of previous audits?					
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b) is effectively implemented and maintained? Is an audit program planned, taking into consideration the status and importance of the processes and areas to be audited, as well as the results of previous audits?		/			
Is an audit program planned, taking into consideration the status and importance of the processes and areas to be audited, as well as the results of previous audits?		/			
Is the audit criteria, scope, frequency and methods defined?		- 1	§		Al.
		/			
Does the selection of auditors and conduct of audits ensure objectivity and impartiality of the audit process (3) ?		/			
Does the organization ensure internal auditors do not audit their own work?		/			,
Are the responsibilities and requirements for planning and conducting audits, and for reporting results and maintaining records (see 4.2.4) defined in a documented procedure?		/			
Do the management responsible for the areas being audited ensure that actions are taken without undue delay to eliminate detected nonconformities and their causes?	И	/			
Do follow-up activities include the verification of the actions taken and the reporting of verification results (see 8.5.2) (4) ?		/			
Are detailed tools and techniques developed such as check sheets, process flowcharts, or any similar method to support audit of the quality management system requirements?					
Are the selected internal audit tools acceptable in measuring the effectiveness of the internal audit and overall organization performance?					
Do internal audits also meet contract and/or regulatory requirements ?		7			M

- Give examples of how customer's satisfaction is measured, committed, and acted upon.
- Review of audit plan (status of the previous year and progress of the current year).
- Check the list of approved auditors.
- Review type of audits (questionnaire, synthesis, circulation, request for corrective actions, corrective actions follow-up).

Objective evidence assessed / Observations / Comments / N/A explana	ation	
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	Qป	ALITY SYSTEM	I QUESTIO	NNAIRE	and the second				
	7.700	IENT QUESTIONS	9850 5 1 2800 5 1		KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
8.2 Monitoring	and measureme	ent (continued)		100		38 <u>.</u> 42	ar o	38	
8.2.3 Monitoring	and measurement o	f processes	100		ar Var			<u> </u>	14.
16 Does the organization measurement of the	ation apply suitable quality management	A August and a second a second and a second	ring and, wher	e applicable,					
17 Do these methods d	emonstrate the ability	of the processes to achi	ieve planned res	ults?					J.
1. The state of th	sults are not achiev re conformity of the pr	ed, is correction and oduct?	corrective action	on taken, as			No.		
b) evaluate wheth and	te action to correct the er the process nonc	ne nonconforming proc onformity has resulted	cess ? I in product non		P				
	and measurement o	ning product in accorda	ance with claus	e 8.3 ?	<u> </u>				<u> </u>
20 Does the organizati	on monitor and mea	• • • • • • • • • • • • • • • • • • • •	of the product	to verify that	P	1	and the		1
21. Is this carried out at planned arrangemen	appropriate stages of	the product realization p	process in accord	lance with the			Ç-k		
22 When key characte	ristics have been ide	entified, are they monit	ored and contro	olled ?	Р		4		7
23 When the organiza the plan statisticall	tion uses sampling y valid and appropri	•	s of product ac	cceptance, is					
24 Does the plan p nonconformities?	oreclude the acce	otance of lots who	se samples l	nave known					/
25 When required, is t	he plan submitted fo	r customer approval ?							
	nents, except whe	spected or otherwise en product is relea equired measurement a	sed under p	ositive-recall	Р				J
27 Is evidence of confor	mity with the acceptar	nce criteria maintained ?							
8 Do records indicate t	he person(s) authorizi	ng release of product (se	ee 4.2.4) ?			i			
9 is product release a	nd service delivery he ompleted, unless other		arrangements (s		•				6
·	n conformity (product,						. 1941 .		
bjective evidence	assessed / Obse	ervations / Comme	ents / N/A ex	planation	······································	······································		···········	**********
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		QUALITY SYSTE	M QUESTIONNAIRE		-32	- Court and Court for South	
		ASSESSMENT QUESTIONS		KEY Requirements	S	CAR Number Ma or mi	N/A N/E
8.	2 Monitoring and	measurement (continued)				ig S	
8.	2.4.1 Inspection docume						4 8 6 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
30	Are measurement require	ments for product or service acce	ptance documented ?			-5/30	
31		, which may be part of the product	tion documentation, include:	Р			- 1 - 11 12 - 1
	a) Criteria for acceptancb) Where in the sequenc	e and/or rejection ? e measurement and testing opera	tions are performed?			4	
	c) a record of the measu	rement results ? and					
	d) type of measurement with their use ?	instruments required and any sp	pecific instructions associated			With Workship	
32	Do test records show a	ctual test results data when req	uired by the specification or				
77.	acceptance test plan ?	emberger Aller of the second of the Aller of the second of					
33		strate product qualification does that the product meets the define	. B.A. 1		TO THE PERSON NAMED AND THE PE	***************************************	1
8.2	.4.2 First article inspecti	on ,		Beersoness	eren eren eren eren eren eren eren eren		
34	and the second s	system provide a process for the	The second of th	Р			
V-144		esentative item from the first pro of change that invalidates the pro			Chock Services		/
	result (1) ?	it change that invalidates the pro	evious ilist article inspection		***************************************		
<u> </u>	idana Nata		• • • • • • • • • • • • • • • • • • • •				
	idance Note	e (new product and change).					
-1/	Cive examples of first article	thew product and change).					
Ob	ective evidence asse	ssed / Observations / Comr	ments / N/A explanation				

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		QUA	LITY SYSTE	M QUES	TIONNA	IRE		The action			
		ASSESSME	NT QUESTIONS		e affe	enjer Gule Gule	KEY Requirement	s	CAR Number Ma or mi	N/A	N/E
8.	3 Control of nonc	onforming p	roduct					14 15 1 2 15 1 2 15 1		200 (1) 201 201	
No.	ote: The term "nonconform	ning product" i	ncludes nonconfor	ming product	returned fro	om a c	ustomer.		**		Št.
35	Does the organization ensu			orm to require	ments is ide	ntified	P				
36	Are the controls and relat product defined in a docum			for dealing w	ith nonconfo	rming					/
37	Does the organization's cauthority for the disposit personnel making these of	ion of noncon							1 2 2 4 4 5		/
38	Does the organization deal a) taking action to eliminat			or more of the	following way	ys by:	Р				
	 authorizing its use, release where applicable, by the taking action to preclude 	e customer ?	e in the second		ant authority	and,	Miss consociation				/
39	Does the organization pa authorized by the custome- the product is produce- the nonconformity rest (Unless otherwise restrict controlled via a customer repair, provided the nor specified requirements?)	revent dispositer, if d to customer outs in a departuted in the continuity of the co	tions of use-as-is design? or ure from the contrac ract, is organizatio dispositioned by th	or repair, ui ct requiremei n-designed j e organizatio	nts ? product, whi on as-use-as	ich is is or					
40	Is product dispositioned to controlled, until physically			nanently mari	ked, or posi	tively	Р				1
41	Are records of the nature concessions obtained, main		•	quent actions	s taken, incl	uding					(
42	When nonconforming proc conformity to the requirement		d, is it subject to	re-verification	n to demon	strate					1
43	When nonconforming produtake action appropriate to the		•	•		zation	Р				/
44	In addition to any contra organization's system pro that may affect reliability of	vide for timely					P			·	1
45	Does notification include necessary, parts affected date(s) delivered ?										/
Ob	ective evidence asse	ssed / Obser	vations / Comm	nents / N/A	explanat	ion					-
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8.4	1 Analys	sis of data		Marina 97.77 18.47	W. Way	V. V. Pra		W.	
	suitability and	effectiveness of the	collect and analyse quality management sy fthe quality management	ystem and to evalu	ate where con	10. ·		/	
	Does this inclured	A 1,4 2 2	as a result of monitor	ing and measurem	ent and from	other			The second secon
	a) customerb) conformity	satisfaction (see 8.2 y to product requiren		s including opportu	nities for preve	entive			
	action ? A	100	ing state of the s	i di		Y:	Antonio (namento)	1 税).	
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S: Satisfactory - CAR: Corrective action required - Ma: Major corrective action - mi: Minor corrective action N/A: Not applicable - N/E: Not evaluated - P: Product - M. Management

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	QUALITY	SYSTEM QUE	STIONNAIRE	The second of th		
	ASSESSMENT QUE	ESTIONS		KEY S Requirements	CAR N// Number Ma or mi	
8.5 Improvement					40%	1,65 1,65 1,55
8.5.1 Continual improv	vement		1,0	To all 1		Var
49 Does the organization co	ontinually improve the effec	rtiveness of the quality	management system		99 7.52	
A 1000	ality policy, quality objectiv	0.5 () ()	Fig. (2.44)		***************************************	
and preventive actions ar	nd management review?		eletteren er	1 7		
8.5.2 Corrective action	n MPR 1280	.4e		Salar e		
50 Does the organization tal	ke action to eliminate the c	cause of nonconformitie	s in order to prevent	P ,		
recurrence (1) ?			A de la companya de l			
51 Are Corrective actions ap	propriate to the effects of the	he nonconformities enco	ountered ?			
52 Is a documented procedu	re established to define rec	quirements for :	N			
	nities (including customer c	and the second s		Annual Control	**************************************	
b) determining the cause	es of nonconformities?		to the state of the transfer of the state of	100 minutes	***************************************	***************************************
c) evaluating the need for	or action to ensure that non	nconformities#do not recu	ır?	Parameters of the Control of the Con	***************************************	***************************************
d) determining and imple	ementing action needed ?	- 1 第 1	Messy and and	10000000000000000000000000000000000000		
e) recording of the result	ts of the action taken (see 4	4.2.4) ?	, programme and the second		24444444	
f) reviewing corrective a	action taken ?			, ,		***************************************
	orrective action requirem responsible for the root ca		en it is determined	######################################	***************************************	***************************************
	ere timely and/or effective		not achieved ?			
8.5.3 Preventive action		201,000,10 2010,10 21		<u> </u>	<u> </u>	
53 Does the organization de order to prevent their occu	~ 1		nonconformities in	M		
Are preventive actions app	propriate to the effects of th	ne potential problems ?			·	
55 Is a documented procedur a) determining potential r	re established to define req		dy Alest			
	or action to prevent occurre		>	000000000000000000000000000000000000000	***************************************	
	ementing action needed?			-	***************************************	
d) recording of the results	s of the action taken (see 4	1.2.4) ? and P - Pou	+		77 200000	
e) reviewing preventive a	s of the action taken (see 4 action taken? - Man	a Stocky for no	Ment Ation	Address of the second	was a second	
		7			· · · · · · · · · · · · · · · · · · ·	······································
Guidance Notes) Select a non-conforming p -Select a non-conforming-p	part and use 52 a) through h part and use 55-a)-through-e					
bjective evidence ass	essed / Observation	s / Comments / N/	A explanation			
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S: Satisfactory - CAR: Corrective action required – Ma: Major corrective action – mi: Minor corrective action N/A: Not applicable : N/E: Not evaluated - P: Product - M: Management

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Annex A (informative)

Bibliography

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